What is claimed is:

1. A surge protection element for use in a cable connector, comprising:

a printed circuit board including an inner ring and a first arm extending outward from said inner ring;

a first trace on at least a portion of said inner ring, said first trace being disposed such that said first trace is electrically connected to a signal portion of said cable connector when said surge protection element is installed in said cable connector; and

a second trace on at least a portion of said first arm, said second trace being disposed such that said second trace is electrically connected to a ground portion of said cable connector when said surge protection element is installed in said cable connector; wherein said first and second traces are separated by a spark gap.

- 2. A device according to claim 1, wherein said printed circuit board further includes a second arm, wherein said second arm is integral with said inner ring and said first arm.
- 3. A device according to claim 1, wherein said printed circuit board further includes a second arm, wherein said second arm is one-piece with said inner ring and said first arm.
- 4. A device according to claim 1, wherein said printed circuit board further includes at least a segment of an outer ring, wherein said segment is integral with said first arm.
- 5. A device according to claim 4, wherein said printed circuit board further includes a second arm, wherein said second arm is integral with said inner ring, said first arm, and said segment.
- 6. A device according to claim 4, wherein said printed circuit board further includes a second arm, wherein said second arm is one-piece with said inner ring, said first arm, and said segment.
- 7. A device according to claim 4, wherein said second trace is on at least a portion of said segment.

- 8. A device according to claim 4, wherein said printed circuit board further includes an outer ring integral with said first arm, wherein said inner and outer rings are concentric.
- 9. A device according to claim 8, wherein said second trace is on at least a portion of said outer ring.
- 10. A device according to claim 9, wherein said second trace is on all of one surface of said outer ring.
- 11. A device according to claim 8, wherein said printed circuit board further includes a second arm, wherein said second arm is integral with said inner ring, said first arm, and said outer ring.
- 12. A device according to claim 8, wherein said printed circuit board further includes a second arm, wherein said second arm is one-piece with said inner ring, said first arm, and said outer ring.
- 13. A device according to claim 1, wherein said surge protection element is positioned entirely within a cavity contained within said cable connector when said surge protection element is installed in said cable connector.
- 14. A device according to claim 1, wherein said first trace includes a first pointed end adjacent said spark gap, and said second trace includes second and third pointed ends adjacent said spark gap, with said second and third pointed ends defining a space between them where said first pointed end is positioned.
- 15. In a CATV system that includes a coaxial cable having a central conductor, an outer conductor concentrically positioned in surrounding relation thereto, and a dielectric layer disposed between the central and outer conductors, a high voltage surge protection device adapted for use in the CATV system, comprising:

a connection housing having a first end and a body portion that defines an internal cavity;

an electronic component positioned within said cavity; and

a surge protection element positioned entirely within said cavity and between said body portion and said electronic component, wherein said element includes a printed circuit board which includes an inner ring and a first arm extending outward from said inner ring; a first trace on at least a portion of said inner ring, said first trace being disposed such that said first trace is electrically connected to said electronic component; and

a second trace on at least a portion of said first arm, said second trace being disposed such that said second trace is electrically connected to said housing; wherein said first and second traces are separated by a spark gap.

- 16. The high voltage surge protection device of claim 15, wherein said electrical component is electrically connected to a conductive pin extending therefrom that is electrically interconnected to said central conductor of said coaxial cable.
- 17. The high voltage surge protection device of claim 16, wherein said conductive pin includes a head which is physically and electrically connected to said first trace.